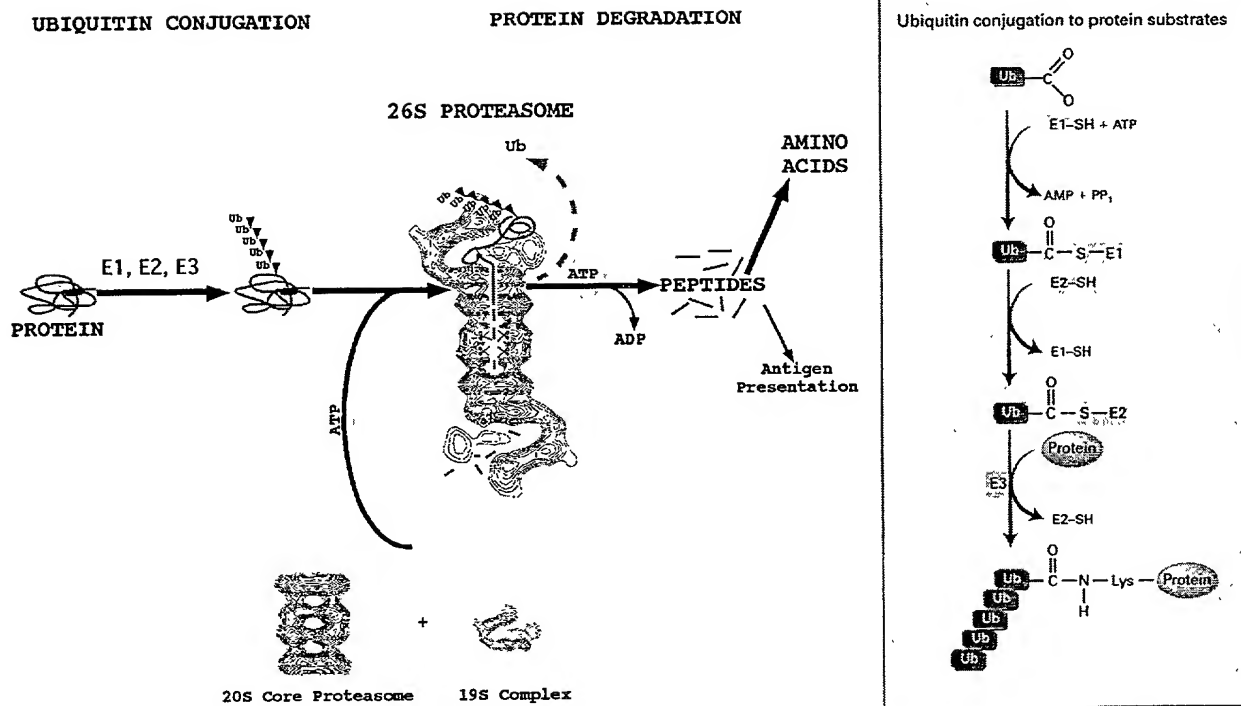


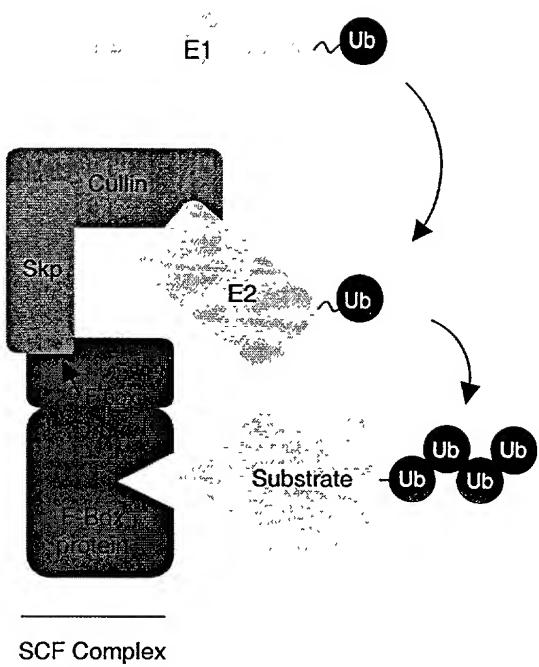
20050636 041603

Figure 1.



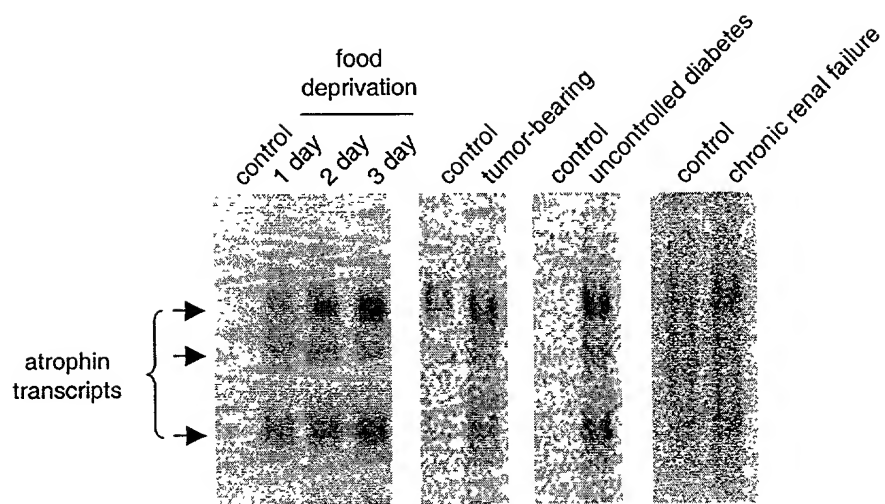
The ubiquitin-proteasome

Figure 2.



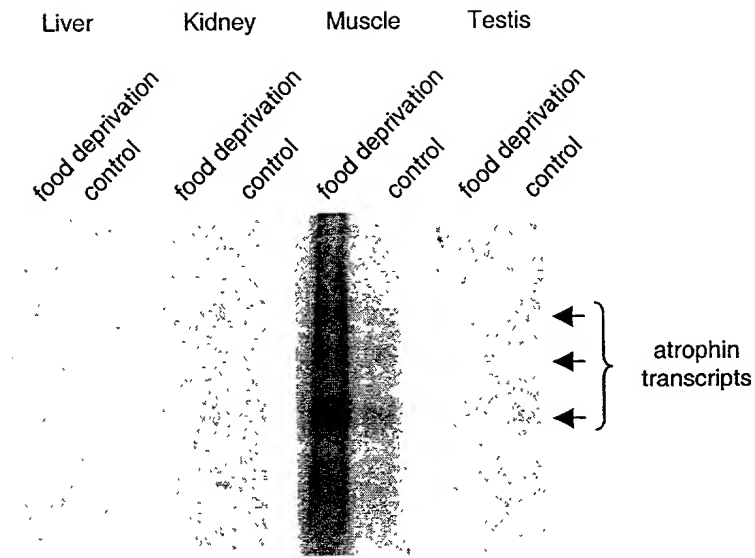
SCF Ub-protein ligases

Figure 3.



mRNA for atrophin-1 is increased in atrophying muscles due to many causes. Northern blot analysis of total RNA isolated from normal or atrophying rodent muscle and probed with a truncated human atrophin-1 cDNA.

Figure 4.



mRNA for atrophin-1 is specifically expressed in muscle, where its expression is markedly increased by food deprivation. Northern blot analysis of total RNA isolated from normal or atrophying mouse muscle due to food deprivation, and probed with a full-length murine atrophin-1 cDNA.

Figure 5.

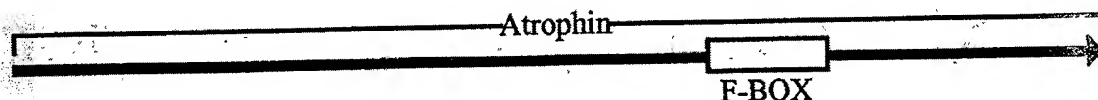
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B

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C



Isolation of the mouse atrophin-1 gene. A, nucleotide sequence of the mouse atrophin-1 gene. B, the deduced amino acid sequence of mouse atrophin-1 protein. The F-box motif is underlined. C, schematic representation of atrophin-1 protein. The box represents the F-Box motif.